

# WOODLOT LICENCE #W2044

## WOODLOT LICENCE PLAN

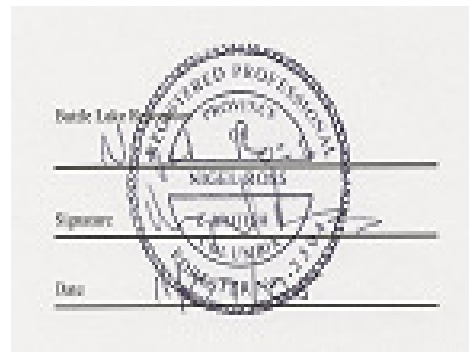
### Proposed First Term

2011 to 2021

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## Table of Contents

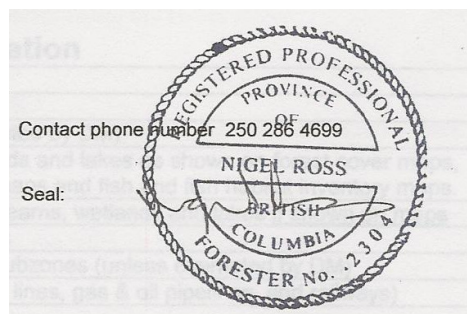
I Content for a Woodlot Licence Plan (WLP)	4
1. Plan Area	4
2. Map and Information	4
3. Areas Where Timber Harvesting Will be Avoided	6
4. Areas Where Timber Harvesting Will be Modified	6
5. Strategy to Conserve and Protect Cultural Heritage Resources	9
6. Wildlife Tree Retention Strategy	11
7. Measures to Prevent Introduction or Spread of Invasive Plants	12
8. Measures to Mitigate Effect of Removing Natural Range Barriers	13
9. Stocking Information for Specified Areas	13
10. Performance Requirements	13
Appendix I-A Stocking Standards	16
Appendix I-C Stocking Standards for Uneven Aged Silvicultural Systems	23
Appendix II Woodlot Licence Plan Map	24
Appendix III Vancouver Island Landuse Plan, Management Regimes for Gold Landscape Unit	25
II Supplemental Information Required to be Submitted in Support of the Proposed Woodlot Licence Plan	27
1. Review and Comment	27
2. Efforts Made to Meet With First Nations	28
3. Exemptions	28
4. Rationale in Support of Proposed Alternative Performance Requirements	28
5. Comments Received	28
Appendix IV	29
Appendix V	30

## DISCLAIMER

- Recognizing the special nature of management on a woodlot licence, this disclaimer forms part of the Woodlot Licence Plan (WLP) for Woodlot Licence Number W2044 and advises that:
  - the decision to operate under one or more of the Default Performance Requirements provided in the Woodlot Licence Planning and Practices Regulation (WLPPR) is the sole responsibility of the woodlot licence holder, and involved no detailed oversight or advice from the prescribing registered professional forester. This disclaimer is signed on the explicit understanding and information provided by government that, the use and achievement of a Default Performance Requirement, meets the expectations of government with respect to the management of woodlot licences;
  - the undersigned Registered Professional Forester has been retained to provide advice on the practice of professional forestry with regard to items such as alternative performance requirements, applicable results and strategies and other required measures that do not have a default performance requirement provided in the WLPPR.

Signed

Name (Print): Nigel Ross, R.P.F.  
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# I Content for a Woodlot Licence Plan (WLP)

## 1. Plan Area

- ☒ This plan covers the entire Woodlot Licence area.  
☐ This plan covers a portion of the Woodlot Licence area.

This Woodlot Licence is located east of the town of Gold River, just across the Heber River. The terrain and forest types are varied. Most of this Woodlot Licence's first growth has been harvested over the past forty to sixty years but some pockets of oldgrowth still remain. The forests in this area are fairly heavy to Douglas fir but with some alder and hemlock mixed in. The road system used to harvest the old growth within this Woodlot Licence is still present but the condition of these roads is varied. The older roads were probably abandoned and are overgrown but the more recent roads have been deactivated post harvest.

The terrain ranges from valley bottom and rolling hills to some quite steep slopes. There are no Schedule A lands within W2044.

## 2. Map and Information

Information Item	Map	Text	N/A
Forest cover	X		
Topography; (unless exempted by DM)	X		
Location of streams, wetlands and lakes as shown on forest cover maps, terrain resource inventory maps and fish and fish habitat inventory maps.	X		
Riparian classification of streams, wetlands and lakes <u>if shown on maps</u>	X		
Identification of fish streams	X		
Biogeoclimatic zones and subzones (unless exempted by DM)	X		
Public utilities (transmission lines, gas & oil pipelines, and railways)	X		
Existing roads	X		
<b>Special Situations that may not Apply to the WL area</b>			
Resource Management Zones, Gold Landscape Unit or Sensitive Areas	X	X	
Government Action Regulation Identified Recreation Resource Features	X	X	
Wildlife Habitat Areas (unless exempted by DM)			X
Scenic Areas	X		
Ungulate Winter Ranges			X
Fisheries Sensitive Watersheds			X
Community Watersheds			X
Community and domestic water supply intakes that are licenced under the Water Act and any related water supply infrastructures			X
Contiguous areas of sensitive soils			X
Temporary or permanent barricades to restrict vehicle access			X
Private property within or adjacent to the woodlot licence area	X		
Resource features other than wildlife habitat features and archaeological sites (unless the location of the resource feature is not to be disclosed)	X		

All of the applicable information required to be addressed under section 8(1) of the Woodlot Licence Planning and Practices Regulation (WLPPR) is identified on the map in Appendix II.

**Biogeoclimatic Zones and Subzones:**

The entire woodlot licence area is within the CWH xm2 biogeoclimatic subzone.

**Resource Management Zones/ Sensitive Areas:**

This Woodlot Licence falls within the Vancouver Island Landuse Plan (VILUP) Resource Management Zone (RMZ) #22 (Gold). A Landscape Unit Plan has not been prepared for the Gold Landscape Unit. The Gold Landscape Unit is designated as a General Management Zone by the Vancouver Island Landuse Plan. (VILUP). This Woodlot Licence Plan will meet the management regimes identified in the VILUP for the Gold Resource Management Zone.

**Government Action Regulation (GAR) – Recreation Features**

A GAR Order was prepared to identify recreation resource features within the Campbell River Forest District. This process did identify a recreation feature within W2044 along the Heber River. No harvesting is planned in this area for the duration of this Woodlot Licence Plan. If harvesting plans were to change and cutting was planned near/ within this recreation feature then the Site Plan will be developed in consultation with the appropriate government Recreation Officer.

It should be noted the Heber River riparian reserve /management zone will help to protect recreation values along the river. Larger buffers/ selective harvest may also occur to further protect the recreational features along the Heber River.

**Wildlife Habitat Areas:**

No Wildlife Habitat Areas have been identified within Woodlot Licence W2044.

**Scenic Areas:**

Scenic areas were established for this Woodlot Licence in 2005. The scenic areas on the map within Appendix II represent the 2005 updated inventory.

**Ungulate Winter Ranges:**

There are no ungulate winter ranges within W2044.

**Fisheries Sensitive Watersheds:**

There are no Fisheries Sensitive Watersheds within Woodlot Licence W2044.

**Community and Domestic Water Supply Intakes that are Licenced Under the Water Act and any Related Water Supply Infrastructures:**

This Woodlot Licence is not within a Community Watershed and there are no licenced water intakes within or directly adjacent to this Woodlot Licence. There are no licenced water intakes or related water supply infrastructures on any creeks that originate within Woodlot Licence W2044.

**Contiguous Areas of Sensitive Soils**

There are no known areas within W2044 of contiguous sensitive soils.

### **Temporary or Permanent Barricades to Restrict Vehicle Access**

There are no plans to install gates on this Woodlot Licence at this point in time. If theft, garbage dumping or vandalism starts to occur then the need to barricade roads will be reviewed.

### **Private Property Within or Adjacent to the Woodlot Licence Area**

There are a number of private land parcels adjacent to the Woodlot Licence. Along the northern boundary of the Woodlot Licence there are some private lots held by TimberWest and Western Forest Products Limited. These lands are being managed for forests products. To the west of Woodlot Licence W2044 are some private and crown lands that are within the municipality of Gold River. See the maps in Appendix II for the locations of these parcels of private property.

### **Resource Features Other than Wildlife Habitat Features, Archaeological Sites, and Other Features Where the Location Must not be Disclosed**

The Licencee is not aware of any Resource Features within Woodlot Licence W2044 whose location must not be disclosed.

## **3. Areas Where Timber Harvesting Will be Avoided**

Harvesting will be avoided in a number of areas within W2044. These areas include:

- A 30 m reserve along the Heber River (S2)

## **4. Areas Where Timber Harvesting Will Be Modified**

### **Locations/Situations Where Timber Harvesting Will be Modified**

1. Harvesting will be modified to protect specific resource features (bear dens, raptor nest trees).
2. Harvesting will be modified in the scenic areas established within the Woodlot Licence area.
3. Harvesting will be modified within riparian management zones as specified in the regulations.
4. Harvesting will be modified adjacent to some parcels of private land and White Ridge Provincial Park.
5. Harvesting will be modified within the identified recreation feature.

## Modified Harvesting Where Practice Requirements Do Not Apply in the WLPPR

### Specific Resources Features

#### Bear Dens/Raptor Nest Trees

Certain resource features will require harvesting practices to be modified. The type of feature referred to could include bear dens or raptor nesting trees. Harvesting will be modified in a manner to prevent the feature from being rendered ineffective. This will include ensuring the feature is windfirm (in the case of a nesting tree). Windfirming may be accomplished by harvest block configuration or by buffering the feature with leave trees. Other types of harvesting modification could include buffering the feature to provide for thermal or visual cover.

#### Scenic Area

Some areas of W2044 are classified as having scenic values that are meant to protect the views from the adjacent areas (town of Gold River). A Government Action Regulation (GAR) was passed on December 14, 2005 specifying the Visual Quality Objectives for the areas covered under this WLP. Visual Quality Objectives are divided into five categories. These divisions and their corresponding definitions are:

VQO	Definition
Preservation	Consisting of an altered forest landscape in which the alteration, when assessed from a significant public viewpoint, is <ul style="list-style-type: none"> <li>(i) very small in scale, and</li> <li>(ii) not easily distinguishable from the pre-harvest landscape</li> </ul>
Retention	Consisting of an altered forest landscape in which the alteration, when assessed from a significant public viewpoint, is <ul style="list-style-type: none"> <li>(i) difficult to see,</li> <li>(ii) small in scale, and</li> <li>(iii) natural in appearance</li> </ul>
Partial Retention	Consisting of an altered forest landscape in which the alteration, when assessed from a significant viewpoint, is <ul style="list-style-type: none"> <li>(i) easy to see,</li> <li>(ii) small to medium in scale, and</li> <li>(iii) natural and not rectilinear or geometric in shape</li> </ul>
Modification	Consisting of an altered forest landscape in which the alteration, when assessed from a significant public viewpoint, is <ul style="list-style-type: none"> <li>(i) is very easy to see, and</li> <li>(ii) is               <ul style="list-style-type: none"> <li>(A) large in scale and natural in its appearance, or</li> <li>(B) small to medium in scale but with some angular characteristics</li> </ul> </li> </ul>
Maximum Modification	Consisting of an altered forest landscape in which the alteration, when assessed from a significant public viewpoint, is <ul style="list-style-type: none"> <li>(i) is very easy to see, and</li> <li>(ii) is               <ul style="list-style-type: none"> <li>(A) very large in scale,</li> <li>(B) rectilinear and geometric in shape, or</li> <li>(C) both</li> </ul> </li> </ul>

Within scenic areas harvesting will be modified to achieve the VQO objectives. Harvesting will be modified by:

- cut block size and design,
- utilizing dispersed and group retention to screen openings,
- scheduling of harvesting in visible areas. Defer harvesting adjacent to previously cut areas until adjacent areas are sufficiently “greened up”
- Manage for windthrow so that damage to leave areas does not result in the VQO being exceeded.

### **Private Land/ Provincial Park**

Harvesting will be modified adjacent to some private land and White Ridge Park. Harvesting modification could involve:

- Leaving a buffer
- Utilize a silvicultural system other than clearcut
- Block and road design
- Crown modification to reduce the risk of blowdown on the non Woodlot Licence tenure
- Visual screens to account for scenic values

### **Recreation Resource Features**

On April 6, 2006 a GAR Order was created that identified Recreation Resource Features within the Campbell River District. One of these Recreation Resource Features is found within Woodlot Licence W2044 along the Heber River. This Recreation Feature overlaps with the Heber River riparian management area. If harvesting occurs within this Recreational Feature then it will be dealt with in the Site Plan. At this point in time not much is known about the site specific conditions that exist along the Heber River. Harvesting will most likely be modified by either smaller patch cuts or some form of selective harvest.

### **Retention of Trees in Riparian Management Zones**

Unless exempted by the District Manager, the woodlot licence holder is committed to retaining the following post harvest stand structure in riparian management zones:



Description of Post Harvest Stand Structure to be Retained in Riparian Management Zones			
A mix of deciduous and coniferous trees will be left. Many of the stands within the Woodlot Licence have significant levels of Cw understorey. Larger Cw ( heights of 30 m, DBH of 40 cm ) are relatively rare within the Woodlot Licence. In order to increase the presence of Cw within the Woodlot Licence these understorey Cw will be the preferred retention tree within RMZs. These understorey Cw range in size up to 20 m in height and 25 cm in DBH. In addition to the Cw, other less common species (Pw, Mb, Dr, Ac, Taxus, willow, cherry) will also be targeted for retention.			
S5 and S6 creeks may have their riparian management zones clearcut.			
Trees to be Retained	Species	Cw, Pw, Dr, Mb, Ac, Vb, W, T , Fd, Hw, Pl	
	Characteristics	Windfirm, free of root rot, safe to work around	
Range of Residual Basal Area (m2/ha)		Range of Residual Trees/ha	10 - 20

## 5. Strategy to Conserve and Protect Cultural Heritage Resources

An ongoing relationship will continued to be built with the various First Nations that claim this part of Vancouver Island as their traditional area. Referral with the relevant First Nations will be an ongoing procedure. Formal referral will occur at the time of Management and Woodlot Licence Plans but information sharing may occur at any time during the course of operations.

Information available on cultural heritage resources for this area can be found within the report:

- Northern Nuu-chah-nulth Archaeological Overview (Baseline Archaeological Services Ltd, 2006).

No indications of cultural heritage resources have been identified from local knowledge or through First Nation referral or consultation. It is Buttle Lake's intention to become more familiar with the cultural heritage of area through field reviews and and First Nation information sharing. Ministry of Forest, Land and Natural Resource Operations (MFLNRO) staff indicate that historical traditional uses of area exist.

### First Nations Contacted

The First Nation contacted through the Woodlot Licence Plan process was the Mowachaht/Muchalaht First Nation (MMFN). A meeting was held with the Council of Chiefs on April 29, 2011. A number of points were brought up by the Council of Chiefs and a summary letter was prepared by Nigel Ross, R.P.F. This letter was sent to the Council of Chiefs and copied to Conrad Walton (consultant working for the Mowachaht /Muchalaht). A copy of this letter is also attached to this document (Section II (2)).

MMFN comments have been incorporated and considered in the development of this plan.

### Results and Strategies for Cultural Heritage Values

Cultural Heritage Value	Results and Strategies
Cedar	<p><i>Result</i> First Nations will have access to red cedar from W2044.</p> <p><i>Strategy</i> A cedar component will be managed for in the regenerated forests of W2044. Cedar is being planted within logged areas and in many cases understorey Cw will be retained post harvest. Approximately 5 stems per ha of understorey Cw will be preserved post harvest. These Cw range will range in height from 2 to 10 m. These Cw could provide First Nations with an immediate source of raw material for a variety of their cedar needs. Monumental cedar may be produced from this Woodlot Licence over the next 150 to 250 years. This long time frame is due to the relative lack of larger second growth Cw and the long time period required to produce a monumental cedar. Other cedar use needs can be met within the Woodlot Licence (cedar bark, roots, foliage) in the immediate and near term. There are some old growth red cedar trees within this Woodlot Licence which may be suitable for Mowachaht/ Muchalaht cultural purposes.</p>
Traditional Plants	<p><i>Result</i> First Nations will continue to be able to access traditional plants from W2044.</p> <p><i>Strategy</i> If First Nations express interest in collecting annual /perennial shrubs or herbs the Licencee will work with them to help identify where these plants may be located and access on the Woodlot Licence will be facilitated.</p>
Hunting	<p><i>Result</i> First Nations will have access to this area for hunting.</p> <p><i>Strategy</i> The Licencee will not prevent First Nation members accessing the Woodlot Licence lands for the practice of hunting. Access throughout the Woodlot Licence will be provided if the First Nations request it. The Licencee will be fully cooperative with the First Nations in facilitating them to utilize this Woodlot Licence for hunting.</p>
Cultural Heritage Resources	<p><i>Result</i> Cultural heritage resources will be protected and conserved.</p> <p><i>Strategy</i> If a cultural heritage feature is discovered within W2044 it will be brought to the attention of the appropriate groups and consultation will continue with First Nations to understand what their needs/ interests are.</p>
Comments.	

#### District Cedar Strategy

The MFLNRO, in conjunction with a number of forest industry participants, is working with First Nations to develop a cedar strategy. Buttle Lake Resources is supportive of developing a coordinated cedar strategy. It is thought the involvement in the development of this strategy will aid in identification and management of monumental cedar for First Nations.

## 6. Wildlife Tree Retention Strategy

Woodlot Licence W2044 does not have a lot of land that is constrained from harvest. There are two partial retention polygons but there are no deer winter ranges or oldgrowth management areas. There is only a small recreation feature and no wildlife habitat areas have been identified.

Additional wildlife tree patches (WTP) are required in order to achieve the standards stated in the Woodlot Licence Planning and Practices Regulation (section 52). Woodlot Licence W2044 must have at least 8 % of its gross area reserved as wildlife tree patches. These reserves will form the basis of the Woodlot Licence's wildlife tree strategy.

Table 1 summarizes the wildlife tree patches that have been established for this Woodlot Licence. Presently 8.1 % of this Woodlot Licence has been set aside as wildlife tree patches. Table 1 lists the attributes of these wildlife tree patches.

Table 1: Wildlife Tree Area Summary

Area (polygon)	Ha	Forest Cover Attributes
WTP-145	5.0	FdPl 420 – 17
WTP-144	0.3	FdHwCw 420 – 35
WTP-161, 162	0.8	FdPw 440 – 25
WTP- 142	3.0	FdHw 223 – 22
WTP- 122-2g	9.4	FdHw 448 – 30
WTP- 122-1	0.2	
WTP – 124-2o	7.5	PlFdPw 428 – 13
WTP – 122-3z	2.5	FdHw 957 – 22
WTP - 141	2.6	FdHwPl 428 – 14
WTP – White Crk	8.1	FdHw228 - 27
Total	39.6	
Gross WL ha	491.7	
% WTP	8.1	

### a) Individual Wildlife Trees

In addition to the areas permanently set aside as wildlife tree areas, individual wildlife trees will also be identified and set aside throughout the rest of the Woodlot Licence. These individual wildlife trees will have attributes as listed in table 2. The density of these individual wildlife trees will vary. Factors affecting the density of individual wildlife trees can include: stand type, age, location within Woodlot Licence, silvicultural system being employed, forest health and other management objectives.

Table 2: Individual Wildlife Trees

Species	Characteristics
All species	Old growth trees
Fd, Cw, Hw, Bg, Pl	All age classes, coarse branching, broken tops, poor form
Dr, Mb V, Tw, W	All age classes, good or bad form

**b) Conditions Under Which Individual Wildlife Trees May Be Removed:**

Individual wildlife trees may be removed if they are considered a safety hazard or they become infested with insects/pests which threaten the health of adjacent trees.

**c) Replacement of Individual Wildlife Trees:**

If individual wildlife trees are removed they will be replaced with trees of comparable wildlife tree value from a nearby location.

## **Wildlife Tree Retention Areas**

**Conditions Under Which Trees May Be Removed from Wildlife Tree Retention Areas:**

Trees may be removed if they are considered a safety hazard, if they become infested with insects/pests which threaten the health of adjacent trees or there is a need to remove the trees to provide access to adjacent stands. If providing access to adjacent stands, the number of high quality wildlife trees removed will be kept to a minimum.

**Replacement of Trees Removed from Wildlife Tree Retention Areas:**

The most likely reason that some trees may be required to be removed from a wildlife tree retention area is they have become too dangerous to work around or the wildlife tree area has been severely damaged. If wildlife trees are removed for any reason they will be replaced with trees of similar nature.

## **7. Measures to Prevent Introduction or Spread of Invasive Plants**

The following measures will be implemented to reduce the introduction and spread of invasive plants that may result from the Woodlot Licence holders' forest practices:

- Minimize soil disturbance
- Seed disturbed areas as soon as practical with an appropriate mix of fast growing species of grasses and legumes,
- Minimize the transport of invasive plant seed by removing burrs from clothing and equipment, and by checking the undercarriage of vehicles and removing invasive plants before leaving an infested area.
- Learn to identify invasive plants and recognize early stages of invasive plant development
- Establish well stocked stands of trees that will eventually suppress invasive plants
- Annually monitor invasive plants and carry out control measures, before invasive plants reproduce, on road edges and other areas where the primary forest activities of the woodlot licence holder have created favourable seedbed for the spread of invasive plants.

One of the more likely invasive plants that may threaten W2044 is Scotch Broom. Presently there is a very small patch on the end of road U-3A. This infection centre will be uprooted during planned road construction in 2011.

## **8. Measures to Mitigate Effect of Removing Natural Range Barriers**

Not applicable.

## **9. Stocking Information for Specified Areas**

☐ The stocking standards for the purposes of section 12 and 34(3) of the Woodlot Licence Planning and Practices Regulation are found in the Appendix I-B. These stocking standards apply to all thinning operations that may occur with W2044. For even aged management stocking standards see Appendix I-A.

## **10. Performance Requirements**

### **Soil Disturbance Limits**

- ☐ Default WLPPR s.24(1)(b):
- 8% of Net Area to be Reforested

### **Permanent Access Structures**

- ☐ Default: WLPPR s.25:  
The maximum area occupied by permanent access structures is as follows:
1. For Cutblocks  $\geq 5$  ha – 7% of the total cutblock area
  2. For Cutblocks  $< 5$  ha – 10% of the total cutblock area
  3. For the Total Woodlot Licence Area – 7% of the total Woodlot Licence area

### **Use of Seed**

The defaults as specified in Section 32 of the WLPPR, which requires the adoption of the Chief Forester's standards for Seed Use are adopted.

## Stocking Standards

- Default: WLPPR s.35(1)(b): Adopt the stocking standards, regeneration dates and free growing dates described in the MoF publication “Reference Guide for Forest Development Plan Stocking Standards”, as they exist at the time of this WLP approval. A copy of these standards are attached in Appendix I-A. See [http://www.for.gov.bc.ca/hfp/forsite/stocking\\_stds.htm](http://www.for.gov.bc.ca/hfp/forsite/stocking_stds.htm)

For deciduous management the stocking standards as found in the Forest Practices Code Guidebook “Establishment to Free Growing Guidebook – Vancouver Forest Region, Revised Edition Version 2.2, May 2000 will be used. See Appendix I-A.

## Width of Stream Riparian Areas

- Default WLPPR s.36(4)(b):  
The minimum width of the riparian reserve zone, riparian management zone and riparian management area are as described in WLPPR s.36(4)(b).

## Width of Wetland Riparian Areas

- Default: WLPPR s.37(3)(b) The minimum width of the riparian reserve zone, riparian management zone and riparian management area are as described in WLPPR s.37(3)(b).

## Width of Lake Riparian Areas

- Default: WLPPR s.38(2)(b) The minimum width of the riparian reserve zone, riparian management zone and riparian management area are as described in WLPPR s.38(2)(b).

## Restrictions in a Riparian Reserve Zone

- Default: WLPPR s.39(1) Cutting, modifying or removing trees in a riparian reserve zone is limited to the purposes described in Section 39(1) of the WLPPR.

## Restrictions in a Riparian Management Zone

- Default: WLPPR s.40(1)(b)(c) or (d) Construction of a road in a riparian management zone is limited to the conditions described in Section 40(1) of the WLPPR without additional conditions to allow road construction being provided in the woodlot licence plan.

### Wildlife Tree Retention

Unless exempted by the district manager, the proportion of the Woodlot Licence area that will be occupied by wildlife tree retention is:

■ Default WLPPR s.52(1)(c): minimum of 8 %.

### Coarse Woody Debris

Unless exempted by the district manager, the minimum amount of coarse woody debris to be left on areas where there is a requirement to establish a free growing stand is

■ Default: WLPPR s.54(1)(b)

- Area on Coast – minimum retention of 4 logs per ha  $\geq 5$  m in length and  $\geq 30$  cm in diameter at one end.

### Resource Features

Unless exempted by the district manager, the woodlot licence holder will

■ Default WLPPR s.56(1)(b): Ensure that forest practices do not damage or render ineffective a resource feature.

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**Note:** Only the performance requirements in Part 3 (Practice Requirements) of the WLPPR for which an alternative can be proposed are shown in this Woodlot Licence Plan. The remaining performance requirements in Part 3 are not shown, nor are the performance requirements in Part 4 (Roads).

Appendix I-A: Stocking Standards for Clearcut Silvicultural Systems

BGC

Classification

Zone/SZ

CWHxm

			Regeneration Guide									Free Growing Guide			
			Species					Stocking			Regen	Assessment		Min. Height	
			Conifer				Broadleaf	Target	MIN pa	MIN p	Delay	Earliest	Latest	Species	Ht
Series	Standards	Primary	Preferred (p)	Secondary	Acceptable (a)	Tertiary		(well-spaced/ha)			(Max yrs)	(yrs)	(yrs)		(m)
1	84182	Fd	Fd	Hw24	Hw24 Cw Pw31	Cw Pw31	Dr7,42,a Mbb Ep18,a Rab	900	500	400	3	8	11	Fd Pw Hw CwLw	3 2.5 2 1.5
02*	84183	PI	PI Fd	Fd			Qgb Raa	400	200	200	3	8	11	Pw Fd Lw, Ss PI Cw	2.5 2 1.5 1.25 1
3	84184	Fd	Fd PI6	PI6	Cw	Cw Hw	Actb Drb Epa Mbb Rab	800	400	400	3	8	11	Pw Fd Lw, Ss Hw, PI Cw	2.5 2 1.5 1.25 1
4	84185	Fd	Fd		Cw Pw31	Cw Pw31	Actb Drb Epb Mba	900	500	400	3	8	11	Fd Pw Hw Cw, Lw	3 2.5 2 1.5
5	84186	Cw Fd	Cw Fd		Pw31	Bg53 Hw Pw31	Act42,a Dr42,a Ep18,a Mba	900	500	400	3	8	11	Fd Bg Pw Cw Hw	4 3.5 2.5 2 1.75



BGC

Classification

Zone/SZ

CWHxm

			Regeneration Guide									Free Growing Guide			
			Species					Stocking			Regen	Assessment		Min. Height	
			Conifer				Broadleaf	Target	MIN pa	MIN p	Delay	Earliest	Latest	Species	Ht
Series	Standards	Primary	Preferred (p)	Secondary	Acceptable (a)	Tertiary		(well-spaced/ha)			(Max yrs)	(yrs)	(yrs)		(m)
6	84187	Cw Hw	Cw Hw Fd18	Fd18		Bg7	Actb Dr7,41,a Ep18,aMbb	900	500	400	6	11	14	Bg, Fd Pw Hw Cw, Lw	3 2.5 2 1.5
7	84188	Bg47 Cw Fd	Cw Fd		Bg47	Hw	Act41,a Dr41,a Ep18,a Mb41,a	900	500	400	3	8	11	Fd Bg Pw Cw Hw	4 3.5 2.5 2 1.75
8	84189	Bg47 Cw Ss35	Cw Ss35		Bg47		Act41,a Dr41,a Ep18,a Mb41,a	900	500	400	3	8	11	Fd, Ss Bg Pw Cw	4 3.5 2.5 2
9	84190		Cw1	Bg1,47 Cw1	Bg1,47		Act41,a Dr41,a Ep18,a Mb41,a	900	500	400	3	8	11	Fd Bg Pw Cw	4 3.5 2.5 2
10	-	no conifers	no conifers				Actb Drb Epb Mbb	-	-	-	-	-	-		
11*	84191	Pl1	Pl1		Cw1	Cw1		400	200	200	3	8	11	Pw Fd Lw, Ss Pl Cw	2.5 2 1.5 1.25 1

BGC

Classification

Zone/SZ

CWHxm

Classification			Regeneration Guide									Free Growing Guide				
Zone/SZ			Species					Stocking			Regen	Assessment		Min. Height		
CWHxm			Conifer				Broadleaf	Target	MIN pa	MIN p	Delay	Earliest	Latest	Species	Ht	
Series	Standards	Primary	Preferred (p)	Secondary	Acceptable (a)	Tertiary		(well-spaced/ha)			(Max yrs)	(yrs)	(yrs)		(m)	
12	84192	Cw1	Cw1		Hw1 Pw31	Hw1 Pw31 Ss35	Actb Drb Epb Mbb	800	400	400	3	8	11	Pw Fd Lw, Ss PI Hw Cw	2.5 2 1.5 1.25 1.25 1	
13	84193	Bg47 Cw	Cw Bg47 Fd	Fd			Act41,a Dr41,a Ep18,a Mb41,a	900	500	400	3	8	11	Fd Bg Pw Cw	4 3.5 2.5 2	
14	84194	Bg1,47 Cw1	Bg1,47 Cw1				Act41,a Dr41,a Ep18,a Mb41,a	900	500	400	3	8	11	Fd Bg Pw Cw	4 3.5 2.5 2	
15	84195	Cw1	Cw1				Actb Drb Epb Mbb	800	400	400	3	8	11	Fd Bg Pw Cw	4 3.5 2.5 2	

Foot Notes: Stocking Standard Tables

	Footnote #	Footnote
Conifer Tree Species	1	elevated microsites are preferred
""Ba"" means amabilis fir	2	suitable on thick forest floors
""Bg"" means grand fir	3	restricted to coarse-textured soils
""Bl"" means subalpine fir	4	restricted to medium-textured soils
""Bp"" means noble fir	5	footnote retired
""Cw"" means western red cedar	6	restricted to nutrient-very-poor sites
""Fd"" means Douglas-fir	7	restricted to nutrient-medium sites
""Hm"" means mountain hemlock	8	restricted to steep slopes
""Hw"" means western hemlock	9	restricted to southerly aspects
""Lt"" means tamarack	10	restricted to northerly aspects
""Lw"" means western larch	11	restricted to crest slope positions
""Pa"" means whitebark pine	12	suitable on cold air drainage sites
""Pl"" means lodgepole pine	13	restricted to upper elevations of biogeoclimatic unit
""Pw"" means white pine	14	restricted to lower elevations of biogeoclimatic unit
""Py"" means ponderosa pine	15	restricted to northern portion of biogeoclimatic unit in region
""Sb"" means black spruce	16	restricted to southern portion of biogeoclimatic unit in region
""Se"" means Engelmann spruce	17	restricted to western portion of biogeoclimatic unit in region
""Ss"" means Sitka spruce	18	restricted to eastern portion of biogeoclimatic unit in region
""Sw"" means white spruce	19	restricted, not in Queen Charlotte Islands
""Sx"" means hybrid spruce or interior spruce	20	restricted, not near outer coast
""Sxs"" means hybrid Sitka spruce	21	restricted to mainland
""Sxw"" means hybrid white spruce	22	restricted to southern Gardner Canal-Kitlope area
""Yc"" means yellow cedar.	23	restricted to trial use
Broadleaf Tree Species	24	suitable (as a major species) in wetter portion of biogeoclimatic unit
""Acb"" means balsam poplar	25	suitable on sites lacking salal
""Act"" means black cottonwood	26	suitable minor species on salal-dominated sites
""At"" means trembling aspen	27	partial canopy cover required for successful establishment
""Dr"" means red alder	28	limited by moisture deficit

Footnote #	Footnote
46	restricted to area north of the Dean Channel
47	risk of balsam wooly adelgid – applies to all Abies species in subzones within the regulated quarantine area ( <a href="http://www.al.gov.bc.ca/cropprot/balsamwa.htm">http://www.al.gov.bc.ca/cropprot/balsamwa.htm</a> )
48	risk of heavy browsing by deer
49	retired November 2010
50	restricted to sites where the species occurs as a major species in a pre-harvest, natural stand
51	restricted to areas with proven PI performance
52	restricted to sheltered microsites with deep soil
53	minor component
54	risk of unsuccessful release of advance regeneration
55	acceptable in sx-sm portion of site series
#	Broadleaf Management Constraints
a	productive, reliable, and feasible regeneration option
b	limited in productivity, reliability and/or feasibility
#	Localized Footnotes
56	Kalum forest district - see footnote 35
57	retired November 2010 see footnote 31
59	Prince George region - max 1,400 total sph of aspen and cottonwood. Treat as 'ghost' trees in surveys.
60	Squamish forest district - species is acceptable in Squamish forest district only.
61	Squamish forest district only - acceptable on cold air drainage sites only.
62	retired November 2010 see footnote 47
63	Queen Charlotte Islands forest district - must meet district manager specified minimum well-spaced preferred stems per hectare and minimum height requirements for Cw and/or Yc
66	Mackenzie forest district - may be preferred where risk of snow damage is low or where risk of frost damage is excessive on spruce
67	Chilliwack forest district - species is acceptable in Chilliwack forest district only.

"Ep" means common paper birch	29	risk of heavy browsing by moose	68	Chilliwack forest district - species is preferred in Chilliwack forest district only.
"Mb" means bigleaf maple	30	retired November 2010	69	Species is restricted to upper elevations when used in the southern portion of the biogeoclimatic unit.
"Qg" means garry oak	31	use of resistant stock mitigates risk of white pine blister rust. Do not use non-resistant stock for reforestation. See BC Journal of Ecosystems and Management 10(1): 97-100.	70	Pr Rupert region - Hw is restricted to a maximum of 50% of the well spaced stems at free growing
"Ra" means arbutus				
<b>Biogeoclimatic unit" or "BGC classification"</b> means the zone, subzone, variant and site series described in the most recent field guide published by the Ministry of Forests for the identification and interpretation of ecosystems, as applicable to a harvested area.	32	limited by growing-season frosts		
	33	footnote retired and replaced with footnote 'a'		
	34	risk of snow damage		
	35	use of resistant stock mitigates risk of spruce weevil damage. Use stock with the highest resistance rating for your area. See Ss Weevil Decision Tool ( <a href="http://www.for.gov.bc.ca/hre/forgen/projects/spruceweevil">http://www.for.gov.bc.ca/hre/forgen/projects/spruceweevil</a> ) and BC Journal of Ecosystems and Management 7(3): 45-49.		
	36	suitable major species on salal-dominated sites		
<b>"MIN or "Min"</b> means minimum.	37	retired November 2010		
	38	footnote retired		
	39	avoid exposed and windy sites		
	40	risk of redheart		
	41	limited by poorly drained soils		
	42	restricted to fresh soil moisture regimes		
	43	suitable on mainland coast only (QCI only)		
	44	suitable in areas with stronger maritime influence		
	45	suitable in areas with stronger continental influence		

## Notes:

Woodlot Licences generally have smaller opening sizes which creates a lot of edge affect. Edges that are located on south and southwest timber edges can have a significant amount of shade. This “edge zone” is defined by being within 10 m of a south or southwest timber face. This shading influence can be detrimental to species requiring higher sunlight levels. To account for this Cw is requested to be a preferred species within the edge zone on site series 03, 01 and 04. Hw is requested to be a preferred species within the edge zone on site series 01, 05 and 07.

There is some root rot within Woodlot Licence W2044. Not all root rot centres are stumped due to site limiting conditions (steepness, too rocky or too wet). If a root rot centre is not stumped then the following amendments to the stocking standards are requested:

Site Series	Preferred	Acceptable	Comments
01	Fd, Cw,Pw	Hw	Susceptible species must be at least 5 m from infected stump. Edge zone applies to Hw
02	Pl, Fd, Pw		Susceptible species must be at least 5 m from infected stump.
03	Pl,Fd,Cw,Pw		Susceptible species must be at least 5 m from infected stump
04	Fd, Cw, Pw		Susceptible species must be at least 5 m from infected stump
05	Fd, Cw, Pw		Susceptible species must be at least 5 m from infected stump. Edge zone applies to Hw
06	Cw,Hw,Fd,Pw		Susceptible species must be at least 5 m from infected stump
07	Cw,Fd,Pw	Bg	Susceptible species must be at least 5 m from infected stump. Edge zone applies to Hw
Note: Only Blister Rust Resistant Pw stock will be used.			

**Broadleaf — Coast\*****Tree Species Selection and Fine Growing Stocking Standard Guidelines\*\***

Tree species	Product	Stocking standards (well-spaced/ha) *			Regen delay (yrs)	Assessment		Min. inter-tree distance (m)	% free over brush
		Tsspa	Msspa	MSSp		Early (yrs)	Late (yrs)		
Red alder <sup>†</sup> and bigleaf maple	Sawlogs Pulp	1200	700	600	3	5	8	2	150
		1500	1200	1000	3	5	8	2	150
Coastal black cottonwood (for pulp)	Sawlogs Pulp	700	400	400	3	5	8	2	150
		900	600	500	3	5	8	2	150

May 2000

\* Vancouver Forest Region and the CNR zone of the Prince Rupert Forest Region

\*\* The minimum height for broadleaf trees is based on the minimum height of the tallest conifer for the site series. These standards apply to pure broadleaf stands.

† TSS – target stocking standards MSS – minimum stocking standards ps – preferred and acceptable p – preferred

‡ When growing red alder for sawlog production, it is recommended that stands be thinned to 600 well-spaced trees per hectare, but not before the stands have reached 12 to 16 m in height.

## Appendix I-B: Stocking Standards for Uneven Aged Silvicultural Systems

These layered stocking standards apply for the purposes of sections 12 and 34(3) of the Woodlot Licence Planning and Practices Regulation to areas where the establishment of a free growing stand is not required and harvesting is limited to commercial thinning, removal of individual trees, or a similar type of intermediate cutting, or the harvesting of special forest products.

These standards apply to all non clearcut systems but do not apply to the thinning in the Ungulate Winter Range.

Target Stocking Standards (stems/ha)	Layer**	Stocking***				Target Stocking Standards (stems/ha)	Layer**	Stocking***		
		Target pa	MIN pa	MIN p				Target pa	MIN pa	MIN p
		(well-spaced/ha)						(well-spaced/ha)		
<b>1200</b>	1	600	300	250		<b>800</b>	1	300	150	150
	2	800	400	300			2	400	200	200
	3	1000	500	400			3	600	300	300
	4	1200	700	600			4	800	400	400
<b>1000</b>	1	400	200	200		<b>600</b>	1	300	150	150
	2	600	300	250			2	400	200	200
	3	800	400	300			3	500	300	300
	4	1000	500	400			4	600	400	400
<b>900</b>	1	400	200	200		<b>400</b>	1	200	100	100
	2	500	300	250			2	300	125	125
	3	700	400	300			3	300	150	150
	4	900	500	400			4	400	200	200

SU = Standards Unit = a harvested area with the same stocking standards	Minimum Distance Between Well Spaced Trees = 2.0 meters except all healthy trees in the mature layer are considered well spaced	MSSpa = Minimum Stocking Standard of well spaced trees of preferred and acceptable species	Layer 1 = Mature trees $\geq 12.5$ cm dbh Layer 2 = Pole trees $\geq 7.5$ to $< 12.5$ cm dbh
TSS = Target Stocking Standard (sph) = healthy well spaced trees / ha		MSSp = Minimum Stocking Standard of well spaced trees of preferred species	Layer 3 = Sapling Trees $> 1.3$ m tall & $< 7.5$ dbh Layer 4 = Regeneration trees $< 1.3$ m tall.

Note: Guidelines for determining preferred and acceptable species for a given site series will be taken from the table in Appendix I-A "Stocking Standards for Clearcut Silvicultural Systems".

## **Appendix II: The Woodlot Licence Plan Map**



## Appendix III: Vancouver Island Landuse Plan, Management Regimes for Gold Landscape Unit

### RMZ-22: Gold

**Location:** zone including Gold, Muchalat, lower Oktwanch and Heber drainages

**Total Area:** approximately 67,100 ha

**Zone Category and Overall Management Direction:** **General Management Zone**, with high fish, wildlife and biodiversity values, as well as significant timber values; landscape level development of riparian recovery plan for the Gold-Muchalat-Oktwanch-Nimpkish riparian corridor recommended

Forest Objectives and Strategies

Access:

**Objective:** **General Access Management**

Biodiversity:

**Description:** *this zone is comprised by the Gold draft landscape unit, which also contains Gold-Muchalat protected area, and portions of Strathcona Park, as well as part of the Schoen-Strathcona SMZ; high diversity of ecosystems, including regionally significant portions of CWH xm2 in lower Gold and Oktwanch drainages; high old growth values*

**Objective:** **Higher Biodiversity Conservation Management**

**Strategies:** *use protected areas to meet old seral stage targets to the extent possible; focus of old seral retention outside of protected areas should be in SMZ portion, ungulate and marbled murrelet habitat, as well as CWHxm2 associated with riparian reserves (see fish objective)*

Cave/Karst:

**Description:** *dispersed pockets of cave/karst*

**Objective and strategies:** **General Cave/Karst Management**

Cultural Heritage Resources:

**Objective:** **General Cultural Heritage Resource Management**

Fish:

**Description:** *high fish values in Gold and Muchalat systems*

**Objective:** **General Fish Management**

**Strategies:** *prepare long-term recovery plan of riparian reserve and management zone with old growth attributes in lower Gold/Muchalat Lake/Oktwanch system at landscape level planning process*

Recreation Resources:

Description: significant values in Muchalat Lake and lower Gold River area, as well as alpine setting between upper Muchalat and upper Conuma drainages

Objective: **General Recreation Resource Management** with emphasis on above areas

Timber:

Description: areas of very high productivity distinctly confined to lower elevations along rivers; second growth forests in lower elevations, over 60% of mature timber remaining, most in higher elevations

Objective: **General Timber Resource Management** with opportunities for **Enhanced Silviculture**

Strategies: opportunities for **Enhanced Timber Harvesting** may be identified at landscape level planning

Tourism Resources:

Description: site specific opportunities in areas described under visual and recreation resources

Objective: **General Tourism Management**

Visual Resources:

Description: visually sensitive areas concentrated around Muchalat Lake and Village of Gold River, as well as along travel corridors

Objective: **General Visual Resource Management**

Water:

Description: sensitive terrain on steeper slopes; generally low equivalent clearcut area

Objective: **General Watershed Management**

Wildlife:

Description: high wildlife values, including ungulate-large carnivore populations; marbled murrelet detections in upper Gold River

Objective: **General Wildlife Management**

Non-Forest Resource Descriptions

Mineral Resources:

Description: Moderately high metallic mineral potential; moderate industrial mineral potential; some mineral tenures.

## II Supplemental Information Required to be Submitted in Support of the Proposed Woodlot Licence Plan

### 1. Review and Comment

#### a) Advertising

No comments were received from anyone from the publication of this advertisement.



## b) Referrals

Referral	Date, Method	Comments
Mowachat/ Muchalaht First Nation	April 29, 2011	See attached meeting summary letter.

- b) Copy of written comments received  
None received

## 2. Efforts Made To Meet With First Nations

The attached contact log summarizes the communication between Butte Lake Resources and the Mowachaht/ Muchalaht First Nation (see Appendix IV).

A meeting was held and a summary of this letter was prepared by Nigel Ross, R.P.F. This summary letter is attached (see Appendix V).

## 3. Exemptions

No exemptions were requested or received.

## 4. Rationale In Support Of Proposed Alternative Performance Requirements

No proposed alternative performance requirements applied for.

## 5. Comments Received

None received.

## Appendix IV: Woodlot Licence W2044 First Nation Contact Log

Celeste Haldane LL.B Treaty Manager \*

P.O. Box 1383

5001 Mission Road

Port Alberni, B.C., V9W 7M2

Date	Action
Nov 8, 2010	Reg letter sent to Chief and Council and Celeste Haldane. Documents also emailed to Celeste. Email to Celeste came back to me "Out of Office Reply". Email instructed me to call Phyllis Biggs, talked to Phyllis, explained what I am doing, she said Conrad Walton would get my email to Celeste and he would respond.
Nov 16, 2010	Conrad Walton emailed me back to introduce himself.
Nov 24, 2010	Called Conrad, left a message with his assistant, explained what I was calling about, left my number for Conrad to call me back
Nov 29, 2010	Called Conrad, explained to him the WLP process. Conrad said he wanted to meet with me late January. He will set up a meeting time with the Chief, himself and I. Conrad will get back to me with details.
Jan 06, 2011	Emailed Conrad about setting up WLP info sharing meeting.
Jan 11, 2011	Conrad emailed re MM meeting
Jan 13, 2011	Phone call to Gary Veitch to let him know about WLP process. Message for him to call me.
Jan 13, 2011	Emailed Conrad about setting up WLP info sharing meeting.
Jan 13, 2011	Conrad emailed me back, he is working on setting up dates.
Jan 31, 2011	Conrad emailed asking if he has set up a time for our meeting yet.
Jan 31, 2011	Conrad emailed me. Meeting set for 2:30 pm Feb 3
Feb 3, 2011	N. Ross missed meeting, talked to Conrad to set up another date
Feb 9, 2011	Emailed Conrad with the dates that I am not available in late Feb/ March. In order to set up another meeting
March 7, 2011	Emailed Conrad asking when we can meet in march
Mar 7, 2011	Conrad emails me says Mar 22. I reply, can not make that date
Mar 7, 2011	Conrad gives me one date in March, I can't make it so he asks me for my Sched in April. I tell him all of April is open at this time
March 30, 2011	Emailed Conrad asking him what date in April would be suitable for a meeting to discuss W2044 WLP.
March 30, 2011	Conrad emailed me back, asked for available dates in April, provided that to him.
April 14/11	Emailed Conrad asking for meeting dates
April 29/11	Met with MMFN. Presented them with WLP
May 9, 2011	Email from Walton. In response from my email to him re employment. I clarified what type and amount of employment we could offer
May 12, 2011	Wrote a summary letter of the April 29 meeting. Emailed to Conrad and mailed to MMFN
May 16, 2011	Conrad called me. Said I had not offered employment to MMFN with salvage project. I said I thought I had. Clarified my offer for employment
May 19, 2011	Emailed Conrad asking if he has heard anything from the MMFN re my WL package
May 27, 2011	Emailed Conrad. Said I assume he was satisfied with the changes I had made to the Woodlot Licence Plan (in response to MMFN meeting) and that I would be submitting to MoF.

During this WLP process Conrad Walton replaced Celeste Haldane

## **Appendix V: Summary Letter of April 29, 2011 Buttle Lake Resources / Mowachaht/ Muchalaht Meeting / Subsequent Emails**

May 12, 2011

Chief Mike Maquinna and the Council of Chiefs  
Mowachaht/ Muchalaht First Nation  
PO Box 459  
Gold River, B.C.  
V0P 1G0

### **Re: Information Sharing Meeting: Woodlot Licence Plan for W2044**

Dear Sir,

I will attempt to summarize the key points that were discussed at the meeting held at your office on April 29, 2011. I presented you with information on two projects: Woodlot Licence Plan (WLP) for W2044 and a Cedar Salvage Application for the Saunders/ Elbow/ Horsehoe Creek watersheds.

#### **Woodlot Licence Plan W2044**

- the plan was presented
- Mowachaht / Muchalaht First Nation (MMFN) questioned reference about two reports on Archaeological values (page 9, WLP document). Ross said that was an error. Only one report will be referenced in the final WLP.
- MMFN want the WLP to be updated with the results from the April 29 meeting (will be done).
- MMFN wants the WLP to say that MMFN will be contacted once specific areas to be logged have been identified. Ross agreed.
- MMFN wanted clarity on what type of cedar products would be available to the MMFN. Within the WLP under section "Results and Strategies for Cultural Heritage Values" there is quite a specific list of how the various types of red cedar will be made available to the MMFN. In addition to the existing text the following will be added. *There is some old growth red cedar within W2044. Some of these trees will be offered to the MMFN for cultural purposes.*
- MMFN asked questions about the Campbell River Ministry of Forest District Cedar Strategy. Ross said this concept was conceived a few years ago and not too many details have been finalized but Buttle Lake Resources is willing to participate in this process.
- discussion regarding exactly where the boundaries of W2044 are and forest types found with W2044.
- discussions regarding working together with respect to equipment needs. For instance, if a rock drill is needed it may be possible to service both MMFN and

Buttle Lake's woodlot at the same time. Same concept applies for harvesting equipment.

- MMFN brought up concerns regarding archaeological assessments. Ross said he would follow MoF approved protocols for addressing archaeological values. MMFN said they have found archaeological values in second growth.

## **Cedar Salvage Application**

Ross supplied the meeting with some maps for a proposed Cedar Salvage Application in the Saunders, Horseshoe and Elbow Creek areas. It appears in recent history only a First Nation crew has salvaged cedar with the MMFN traditional territory. Presently a company called Ida Lake (held by Ben Jack, present at meeting) is conducting salvage within Western Forest Products Limited's (WFP) TFL.

Ross stated he can not apply for a salvage licence within the TFL and the TFL occupies the majority of the landbase in and around Gold River. The application that Ross is applying for is within BC Timber Sales chart or within WFP Forest Licence. It appears only Ida Lake is allowed to operate within the TFL.

The MMFN are hesitant for additional salvage crews to operate around Gold River. The MMFN stated they need employment. Ross stated there is enough landbase within the MMFN traditional territory to keep dozens of salvage workers going year round. Ross offered employment to the MMFN. The offer included for the MMFN to supply Ross' salvage crew with accommodations, one person on the salvage crew and one saw milling job. It should be noted Ross' salvage crew presently is made up of 5 men. The saw milling job would be a function of lumber orders.

Since the meeting Ross has been in contact with Conrad Walton (consultant with the MMFN) again offering employment to the MMFN.

I hope I have identified the important points discussed at our meeting. If I have missed anything please do not hesitate to contact me. \*

Yours truly,

Nigel Ross, R.P.F.  
Buttle Lake Resources

Cc Conrad Walton

\* Note

Conrad called me regarding this letter. He said I had not made an offer of employment at our meeting. I said I thought we had discussed it briefly. I apologized for any misunderstanding. I clarified my offer regarding the salvage permit employment offer.



## **Appendix V:** Emails Between Buttle Lake Resources and Mowachaht/ Muchalaht First Nation (Conrad Walton)

The information sharing meeting that was held by Buttle Lake Resources and the Mowachaht/ Muchalaht First Nation covered the Woodlot Licence Plan for W2044 and a Cedar Salvage Application being made by Westfor Resources Limited. Nigel Ross produced a summary letter of the April 29, 2011 meeting. This letter was sent to Conrad Walton and it initiated an number of emails. Most of these emails dealt with the Cedar Salvage Application. The only email that involved the WLP dealt with Conrad asking for changes to the meeting summary document, revisions to the WLP document and a request for a PDF of the Woodlot Licence Map.

See attached emails.

**Main Identity**

---

**From:** "Nigel" <blr@uniserve.com>  
**To:** "NTCTreaty Referrals" <NTCTreaty.Referrals@nuuchahnulth.org>  
**Sent:** Monday, May 09, 2011 11:20 AM  
**Subject:** Re: The meeting  
For salvage operations the crew will need a place to stay. The MMFN could provide accomodations for a fee. This would be part time employment.  
The salvage crew could absorb one person.  
Sawmilling could absorb one person ( this is function of lumber orders obtained).

I have another idea for a business for the MMFN. Give me a call.

Nigel Ross, R.P.F.  
Buttle Lake Resources  
1355 Evergreen Road  
Campbell River, B.C, V9W 3S2  
phone 250 286 4699  
fax 250 286 4698  
Cell 250 202 1881

----- Original Message -----

**From:** [NTCTreaty Referrals](mailto:NTCTreaty.Referrals@nuuchahnulth.org)  
**To:** [Nigel](mailto:blr@uniserve.com)  
**Sent:** Monday, May 09, 2011 10:55 AM  
**Subject:** RE: The meeting

Nigel,

I will bring your new points to the MMFN Council of Chiefs and will let you know their response. Do you have an idea about projected numbers for employment opportunities? Let me know I am going to Gold River on Wed.

Thanks,  
Conrad

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**From:** Nigel [blr@uniserve.com]  
**Sent:** Monday, May 02, 2011 1:49 PM  
**To:** NTCTreaty Referrals  
**Subject:** The meeting

I thought the meeting went well. It sounds like the MMFN has a desire for employment for some of its members. I have talked to my partner in the salvage business and we are willing to talk about creating employment for MMFN members. I think there are three areas we can talk about:

- the salvage crew
- sawmilling
- other related businesses

What is the best way to continue this discussion ?

Nigel Ross, R.P.F.  
Buttle Lake Resources  
1355 Evergreen Road

**Main Identity**

---

**From:** "Nigel" <blr@uniserve.com>  
**To:** "Conrad Walton" <NTCTreaty.Referrals@nuuchahnulth.org>  
**Sent:** Thursday, May 12, 2011 1:31 PM  
**Attach:** MMFN WLP Meeting Response Letter.doc  
**Subject:** Our Meeting: Summary Letter  
I will send a copy to the MMFN also

I would like to talk about possible business opportunities.

Nigel Ross, R.P.F.  
Buttle Lake Resources  
1355 Evergreen Road  
Campbell River, B.C. V9W 3S2  
phone 250 286 4699  
fax 250 286 4698  
Cell 250 202 1881

**Main Identity**

**From:** "Nigel" <blr@uniserve.com>  
**To:** "NTCTreaty Referrals" <NTCTreaty.Referrals@nuuchahnulth.org>  
**Sent:** Friday, May 13, 2011 11:04 AM  
**Subject:** Re: Woodlot Licence Plan W2044 Revised  
 Hi Conrad

my apologies if I misunderstood what was said at the last meeting.

So if I were to be successful in getting a salvage licence in the Saunders/ Horseshoe/ Elbow Creek watersheds I would be willing to offer employment to MMFN members. It should be noted that this salvage application will keep my crew working for 3 - 4 months.

**Salvage Crew Accommodation**

My crew will need a place to stay in or near Gold River. The MMFN could provide a place to stay for a crew of five and charge me rent. This accommodation would be required for the duration of the time the crew would be working the salvage licence. Rental rates would have to be negotiated.

**Salvage Crew Member**

My salvage crew is made up of five people. I would be willing to hire a member from the MMFN to be part of the crew. This would mean I would be willing to increase my workforce by 20 %. Salvage work is typically piece work so that is how the pay structure would be. If the MMFN member works out ( salvage is very hard work, not everyone can do it, probably less than 5 % of the population can do it) his/her employment would be full time. The salvage licence being applied for in the Gold River area will only keep my crew working for 3-4 months but if the MMFN member wanted they could work with my crew on the eastside of Vancouver Island. If this did happen the MMFN member would be responsible for getting themselves to Campbell River and would be responsible for their own room and board.

**Sawmill Worker**

The sawmilling sector of my business is just beginning. We have the wood and the sawmill capacity but orders are what we are lacking. I have started to market the wood and have had some success but the sawmill does not run continuously by any means. I hope to find the time in the next couple of months to further market the wood that we can mill and hopefully this will result in more lumber orders. The sawmill is located in Campbell River by the garbage dump (Victoria Peak Forest Products). The opportunities for a MMFN member to work with my sawmill will be dependent on my ability to obtain lumber orders. If a MMFN does get involved in my sawmilling business they would be expected to travel to Campbell River at their cost and/ or pay for their own accommodations in Campbell River.

My sawmilling business may have some joint efficiencies with the sawmilling venture that the MMFN had in the past. If the MMFN had a customer base then possibly my sawmill could supply your past customers as a joint venture between myself and the MMFN. This concept would need to be further discussed (possible profit sharing between MMFN and myself).

Nigel Ross, R.P.F.  
 Buttle Lake Resources  
 1355 Evergreen Road  
 Campbell River, B.C. V9W 3S2  
 phone 250 286 4699  
 fax 250 286 4698  
 Cell 250 202 1881

To: Nigel  
 Sent: Thursday, May 12, 2011 6:30 PM  
 Subject: RE: Woodlot Licence Plan W2044 Revised

Nigel,

I have reviewed your summary and in regards to your comments about the cedar salvage I believe that you have missed the main points. I would like to discuss with you the following mistakes: the MMFN Council of Chiefs do not want another cedar salvage operation within their traditional territory. As discussed at the meeting Ben Jack has a cedar salvage operation already in place. He hires MMFN members to work for the company. Although, you claim that there is enough work for lots of people or "dozens of salvage workers going year round". You are forgetting that it is in MMFN traditional territory and the resource should be theirs. I also asked you at the meeting if you had partnered with anybody and you really were not forthcoming about wanting to provide work for MMFN or partner with MMFN. This highlights exactly why the MMFN Council of Chiefs are concerned about another cedar salvage operation coming into their territory and not wanting to work with their people. Yet in your summary you claim to send me an email to once again offer MMFN members employment. How can you "once again offer" something when there was no offer at the meeting? Moreover, in your summary you claim that it was brought to your attention that it appears only Ida Lake can do salvage within the TFL areas. What are you basing this conclusion on?

Also, could you please explain the following sentence "[t]he offer included for the MMFN to supply Ross' crew with accommodations, one person on the salvage crew and one sawmilling job". Once again the MMFN Council of Chiefs and I reviewed what was said at the meeting when you left and noted that you did not offer any employment when asked if you had partnered with anybody? But, we also made note of the close proximity of each of your woodlots and that you could have to work together in the future. Do you remember my comment about fair market value(fmv) for road use in the future logging plans?

You should give me a telephone call as it is evident that the points brought up at the meeting were not picked up by everyone. I can be reached at (250) 735-0772

Talk to you soon  
 Conrad

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From: Nigel [nrl@uniserve.com]  
 Sent: Thursday, May 12, 2011 4:30 PM  
 To: NTCTreaty Referrals  
 Subject: Woodlot Licence Plan W2044 Revised

Changes/ additions in red font

Also attached is a PDF of map which I think you wanted.

Nigel Ross, R.P.F.  
 Buttle Lake Resources  
 1355 Evergreen Road  
 Campbell River, B.C. V9W 3S2  
 phone 250 286 4699  
 fax 250 286 4698  
 Cell 250 202 1881

**Main Identity**

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**From:** "Nigel" <bln@uniserve.com>  
**To:** "Conrad Walton" <NTCTreaty.Referrals@nuuchahnulth.org>  
**Sent:** Friday, May 27, 2011 10:32 AM  
**Subject:** Salvage Permit/ Woodlot Plan  
Hi Conrad

any word on my salvage permit proposal.

For the Woodlot Licence Plan, I am assuming you are satisfied with my changes and I will be submitting to Ministry of Forests.

Nigel Ross, R.P.F.  
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1355 Evergreen Road  
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**Main Identity**

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**From:** "Nigel" <blr@uniserve.com>  
**To:** "NTCTreaty Referrals" <NTCTreaty.Referrals@nuuchahnulth.org>  
**Sent:** Friday, June 03, 2011 1:53 PM  
**Attach:** MMFN WLP Meeting Response Letter Revised June 3.doc  
**Subject:** Re: MMFN Letter

----- Original Message -----

**From:** [NTCTreaty Referrals](#)  
**To:** [blr@uniserve.com](mailto:blr@uniserve.com)  
**Sent:** Friday, June 03, 2011 11:25 AM  
**Subject:** Re: MMFN Letter

Nigel,

My understanding is that you were going to correct your letter. As we discussed on the phone there was no offer of employment on your part at any time during the meeting. Therefore, you can not re-offer something that was not ever offered in the first place. Is this an indication of how you do business? Say one thing and do another.

Regards,  
Conrad

May 12, 2011

Chief Mike Maquinna and the Council of Chiefs  
Mowachaht/ Muchalaht First Nation  
PO Box 459  
Gold River, B.C.  
V0P 1G0

**Re: Information Sharing Meeting: Woodlot Licence Plan for W2044**

Dear Sir,

I will attempt to summarize the key points that were discussed at the meeting held at your office on April 29, 2011. I presented you with information on two projects: Woodlot Licence Plan (WLP) for W2044 and a Cedar Salvage Application for the Saunders/ Elbow/ Horseshoe Creek watersheds.

**Woodlot Licence Plan W2044**

- the plan was presented
- Mowachaht / Muchalaht First Nation (MMFN) questioned reference about two reports on Archaeological values (page 9, WLP document). Ross said that was an error. Only one report will be referenced in the final WLP.
- MMFN want the WLP to be updated with the results from the April 29 meeting (will be done).
- MMFN wants the WLP to say that MMFN will be contacted once specific areas to be logged have been identified. Ross agreed.
- MMFN wanted clarity on what type of cedar products would be available to the MMFN. Within the WLP under section "Results and Strategies for Cultural Heritage Values" there is quite a specific list of how the various types of red cedar will be made available to the MMFN. In addition to the existing text the following will be added. *There is some old growth red cedar within W2044. Some of these trees will be offered to the MMFN for cultural purposes.*
- MMFN asked questions about the Campbell River Ministry of Forest District Cedar Strategy. Ross said this concept was conceived a few years ago and not too many details have been finalized but Buttle Lake Resources is willing to participate in this process.
- discussion regarding exactly where the boundaries of W2044 are and forest types found with W2044.
- discussions regarding working together with respect to equipment needs. For instance, if a rock drill is needed it may be possible to service both MMFN and Buttle Lake's woodlot at the same time. Same concept applies for harvesting equipment.

Buttle Lake Resources Limited, 1355 Evergreen Road, Campbell River, B.C., V9W 3S2  
Phone 250-286-4699, cell 250-202-1881, email [blr@butterlake.com](mailto:blr@butterlake.com)



- MMFN brought up concerns regarding archaeological assessments. Ross said he would follow MoF approved protocols for addressing archaeological values. MMFN said they have found archaeological values in second growth.

#### **Cedar Salvage Application**

Ross supplied the meeting with some maps for a proposed Cedar Salvage Application in the Saunders, Horseshoe and Elbow Creek areas. It appears in recent history only a First Nation crew has salvaged cedar with the MMFN traditional territory. Presently a company called Ida Lake (held by Ben Jack, present at meeting) is conducting salvage within Western Forest Products Limited's (WFP) TFL.

Ross stated he can not apply for a salvage licence within the TFL and the TFL occupies the majority of the landbase in and around Gold River. The application that Ross is applying for is within BC Timber Sales chart or within WFP Forest Licence. It appears only Ida Lake is allowed to operate within the TFL.

The MMFN are hesitant for additional salvage crews to operate around Gold River. The MMFN stated they need employment. Ross stated there is enough landbase within the MMFN traditional territory to keep dozens of salvage workers going year round.

Since the meeting Ross has been in contact with Conrad Walton (consultant with the MMFN) and has made an offer to the Mowachat /Muchalaht. This offer includes:

#### **Salvage Crew Accommodation**

My crew will need a place to stay in or near Gold River. The MMFN could provide a place to stay for a crew of five and charge me rent. This accommodation would be required for the duration of the time the crew would be working the salvage licence. Rental rates would have to be negotiated.

#### **Salvage Crew Member**

My salvage crew is made up of five people. I would be willing to hire a member from the MMFN to be part of the crew. This would mean I would be willing to increase my workforce by 20 %. Salvage work is typically piece work so that is how the pay structure would be. If the MMFN member works out ( salvage is very hard work, not everyone can do it, probably less than 5 % of the population can do it) his/her employment would be full time. The salvage licence being applied for in the Gold River area will only keep my crew working for 3-4 months but if the MMFN member wanted they could work with my crew on the eastside of Vancouver Island. If this did happen the MMFN member would be responsible for getting themselves to Campbell River and would be responsible for their own room and board.

#### **Sawmill Worker**

The sawmilling sector of my business is just beginning. We have the wood and the sawmill capacity but orders are what we are lacking. I have started to market the wood

and have had some success but the sawmill does not run continuously by any means. I hope to find the time in the next couple of months to further market the wood that we can mill and hopefully this will result in more lumber orders. The sawmill is located in Campbell River by the garbage dump (Victoria Peak Forest Products).

The opportunities for a MMFN member to work with my sawmill will be dependent on my ability to obtain lumber orders. If a MMFN does get involved in my sawmilling business they would be expected to travel to Campbell River at their cost and/or pay for their own accommodations in Campbell River.

My sawmilling business may have some joint efficiencies with the sawmilling venture that the MMFN had in the past. If the MMFN had a customer base then possibly my sawmill could supply your past customers as a joint venture between myself and the MMFN. This concept would need to be further discussed (possible profit sharing between MMFN and myself).

I hope I have identified the important points discussed at our meeting. If I have missed anything please do not hesitate to contact me.

Yours truly,



Nigel Ross, R.P.F.  
Buttle Lake Resources

Cc Conrad Walton



